

Product data sheet

Specifications



circuit breaker Compact NS250L - STR22SE - 250 A - 3 poles 3d

31810

ⓘ Discontinued

Main

| | |
|--|--|
| Range Of Product | Compact NS100...630 |
| Product Or Component Type | Circuit breaker |
| Device Short Name | Compact NS250L |
| Circuit Breaker Name | Compact NS250L |
| Device Application | Distribution |
| Poles Description | 3P |
| Protected Poles Description | 3t |
| Network Type | AC DC |
| Network Frequency | 50/60 Hz |
| [In] Rated Current | 220 A at 65 °C 250 A at 40 °C |
| [Uij] Rated Insulation Voltage | 750 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] Rated Impulse Withstand Voltage | 8 kV conforming to IEC 60947-2 |
| [Ue] Rated Operational Voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 750 V DC conforming to IEC 60947-2 |
| Breaking Capacity Code | L |
| Breaking Capacity | 130 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 200 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 50 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC 130 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Ics] Rated Service Breaking Capacity | 130 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 150 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 70 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| Suitability For Isolation | Yes conforming to IEC 60947-2 |
| Utilisation Category | Category A |
| Trip Unit Name | STR22SE |
| Trip Unit Technology | Electronic |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|------------------|--|
| Trip Unit Rating | 225 A at 70 °C 237.5 A at 60 °C 250 A at 20 °C |
| Protection Type | Short time short-circuit protection Instantaneous short-circuit protection Overload protection (long time) |
| Pollution Degree | 3 conforming to IEC 60947 |

Complementary

| | |
|---|--|
| Control Type | Toggle |
| Mounting Mode | Fixed |
| Mounting Support | Backplate |
| Upside Connection | Front |
| Downside Connection | Front |
| Mechanical Durability | 20000 cycles |
| Electrical Durability | 10000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 20000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| Connection Pitch | 35 mm |
| Local Signalling | Positive contact indication |
| Long Time Pick-Up Adjustment Type Ir | Adjustable 48 settings |
| Long Time Pick-Up Adjustment Range | 0.4...1 x In |
| Long Time Delay Adjustment Type | Fixed |
| [Tr] Long-Time Delay Adjustment Range | 90...180 s 1.5 x Ir 3.2...5 s 7.2 x Ir 5...7.5 s 6 x Ir |
| Short-Time Pick-Up Adjustment Type Isd | Adjustable 8 settings |
| [Isd] Short-Time Pick-Up Adjustment Range | 2...10 x Ir |
| Short-Time Delay Adjustment Type | Fixed |
| [Tsd] Short-Time Delay Adjustment Range | 0.04...0.06 s |
| Instantaneous Pick-Up Adjustment Type Ii | Fixed |
| Instantaneous Pick-Up Adjustment Range | >= 11 x In |
| Display Type | LED |
| Height | 161 mm |
| Width | 105 mm |
| Depth | 86 mm |

Environment

| | |
|---------------------------------------|-------------------------------|
| Standards | IEC 60947-2 |
| Product Certifications | KEMA LCIE ASEFA ASTA |
| Ip Degree Of Protection | IP40 conforming to IEC 60529 |
| Ik Degree Of Protection | IK07 conforming to EN 50102 |
| Ambient Air Temperature For Operation | -25...70 °C |

| | |
|-------------------------------------|-------------|
| Ambient Air Temperature For Storage | -50...85 °C |
|-------------------------------------|-------------|

Packing Units

| | |
|------------------------------|-----|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|